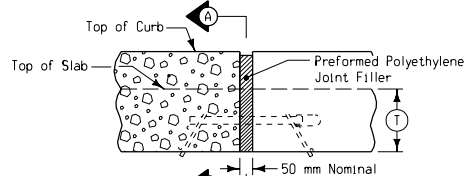
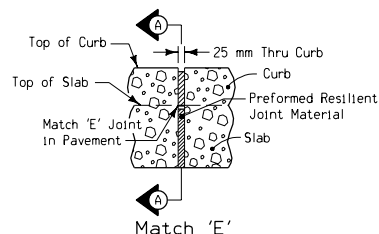


JOINT IN CURB
(View at Back of Curb)

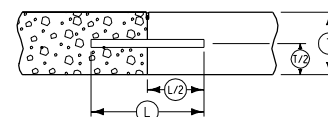


JOINT IN CURB
(View at Back of Curb)

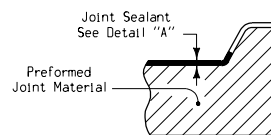


JOINT IN CURB
(View at Back of Curb)

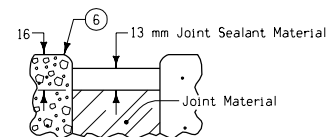
| BAR SIZE TABLE | | | |
|----------------|----------|-----------------------|----------|
| (T) | < 200 mm | ≥ 200 mm but < 250 mm | ≥ 250 mm |
| DOWEL SIZE | 20 | 30 | 35 |



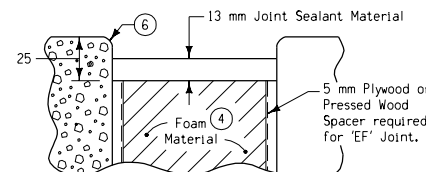
TYPICAL DOWEL PLACEMENT
Applies to all joints unless otherwise detailed.



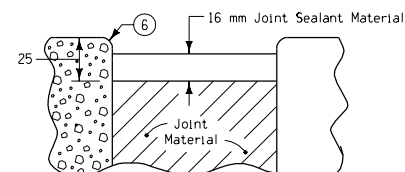
SECTION A-A



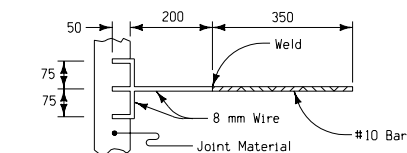
DETAIL "A"



DETAIL "B"



DETAIL "C"



DETAIL "D"
Galvanized Retainer Fork (Top View)

GENERAL NOTES:

All materials and construction features used in the construction of pavement joints shall conform to the requirements of current Standard and Supplemental Specifications. Refer to other appropriate Standard Road Plans and project plans for additional information. Alternate methods for construction of joints may be submitted to the Engineer for consideration.

Dowels for the 'ED', 'EE', and 'EF' joints shall be properly positioned by the use of an approved support assembly.

Epoxy coat all bars, see "Pavement Reinforcement" in the current Standard Specifications.

All preformed joint material shall be installed perpendicular to the pavement surface and care shall be exercised throughout the construction of the pavement to ensure that such joint material remains in proper position upon completion of paving operation.

The joints as detailed hereon shall not be measured for payment. The construction detailed hereon including the furnishing of the dowels, dowel assemblies, and joint filler material shall be considered incidental to PCC paving, unless noted otherwise.

- The free moving ends of dowel support assembly shall be placed alternately across joints.
- Refer to Bar Size Table
- The free end of dowel bar shall be coated as directed by the Engineer prior to placement of second slab to prevent bond with that portion of pavement.
- Holes for Joint Material shall be predrilled or preformed for appropriate dowel size. Material shall meet requirements of the current Standard Specifications for Joint Material.
- Bars in Transverse Joints shall be placed so that no bar will be closer than 150 millimeters to any Longitudinal Joint (centerline or lane line). The distance to the first bar from edge of pavement will vary from 100 to 300 millimeters depending upon pavement width.
- Edge with 5 millimeter tool for length of joint indicated in formed; edging not required when cut with diamond blade saw.
- Weld side opposite Expansion Tube.
- Preformed Joint Material 100 millimeter nominal width x pavement thickness - 25 millimeters deep. See Materials I.M. 436.05 for list of approved materials.
- Place 'CF' Joint material 25 millimeters lower than top of pavement. Anchor with galvanized retainer forks at 600 millimeter centers; tie forks to reinforcing mat or place on support chairs.

All dimensions given in millimeters unless noted.

| METRIC VERSION | Iowa Department of Transportation Project Development Division | |
|-----------------------|---|---------------------------------------|
| | STANDARD ROAD PLAN | RH-52 |
| | REVISION: Metric conversion of Standard Road Plan RH-52 no. 6 (dated 3-26-96). | REVISION NO. 6 |
| | APPROVED BY DESIGN METHODS ENGINEER <i>David P. Smith</i> | REVISION DATE 11-30-95 03-26-96 |
| JOINTS (EXPANSION) | | |